

IN THE CLAIMS:

1-29. (Canceled)

¹
~~30.~~ (Currently Amended) An isolated polynucleotide sequence as set forth in
~~nucleic acid molecule comprising~~ SEQ ID No: 1 that encodes a *Lawsonia intracellularis*
flhB polypeptide.

31-37. (Canceled)

²
~~38.~~ (Currently Amended) A plasmid of pGTE#2 flhB {AGAL Accession No.
NM0016477}.

³
~~39.~~ (Currently Amended) A recombinant vector capable of replication in a host
cell, wherein said vector comprises the isolated polynucleotide sequence as set forth in
~~nucleic acid of claim 30.~~¹

40-42. (Canceled)

⁴
~~43.~~ (Original) A host cell comprising the recombinant vector of claim ³~~39.~~

⁴
~~44.~~ (Original) The host cell of claim ⁴~~43~~ wherein said host cell is a bacterium.

45-50. (Canceled)